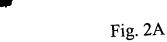




## Fig. 1

								•	ر							
Met	gaa Glu	tgg Trp	atg Met	Arg	tct Ser	aga Arg	gtt Val	ggg Gly	Thr	ctg Leu	gga Gly	ctg. Leu	tgg Trp	Val	cga <u>Arg</u>	48
												gca Ala				96
cct Pro	gac Asp	tcc Ser 35	agc Ser	ccc Pro	ctc Leu	ctc Leu	cag Gln 40	ttt Phe	999 Gly	ggt Gly	caa Gln	gtc Val 45	cgg Arg	cag Gln	agg Arg	144
tac Tyr	ctc Leu 50	tac Tyr	aca Thr	gat Asp	gac Asp	gac Asp 55	caa Gln	gac Asp	act Thr	gaa Glu	gcc Ala 60	cac His	ctg Leu	gag Glu	atc Ile	192
agg Arg 65	gag Glu	gat Asp	gga Gly	aca Thr	gtg Val 70	gta Val	ggc Gly	gca Ala	gca Ala	cac His 75	cgc Arg	agt Ser	cca Pro	gaa Glu	agt Ser 80	240
												caa Gln				288
												gga Gly				336
												aga Arg 125				384
ctg Leu	gag Glu 130	gac Asp	ggt Gly	tac Tyr	aat Asn	gtg Val 135	tac Tyr	cag Gln	tct Ser	gaa Glu	gcc Ala 140	cat His	ggc Gly	ctg Leu	ccc Pro	432
ctg Leu 145	cgt Arg	ctg Leu	cct Pro	cag Gln	aag Lys 150	gac Asp	tcc Ser	cca Pro	aac Asn	cag Gln 155	gat Asp	gca Ala	aca Thr	tcc Ser	tgg Trp 160	480
gga Gly	cct Pro	gtg Val	cgc Arg	ttc Phe 165	ctg Leu	ccc Pro	atg Met	cca Pro	ggc Gly 170	ctg Leu	ctc Leu	cac His	gag Glu	ccc Pro 175	caa Gln	528
												gtg Val				576
gac Asp	ccc Pro	ctg Leu 195	agc Ser	atg Met	gta Val	gag Glu	cct Pro 200	tta Leu	cag Gln	ggc Gly	cga Arg	agc Ser 205	ccc Pro	agc Ser	tat Tyr	624
	tcc Ser	_	ctct	ttc (	ctga	atcta	a									649

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN



<del>-</del>	
gaggatccag ccgaaagagg agccaggcac tcaggccacc tgagtctact cacctggaca	60
actggaatct ggcaccaatt ctaaaccact cagcttctcc gagctcacac cccggagatc	120
actggaatct ggcaccaatt ctaaaccact cagooost y y	171
acctgaggac ccgagccatt g atg gac tcg gac gag acc ggg ttc gag cac  acctgaggac ccgagccatt g atg gac tcg gac gag acc ggg ttc gag cac  Met Asp Ser Asp Glu Thr Gly Phe Glu His  1  1	
tca gga ctg tgg gtt tct gtg ctg gct ggt ctt ctg ctg	219
cag gca cac ccc atc cct gac tcc agt cct ctc ctg caa ttc ggg ggc  Gln Ala His Pro Ile Pro Asp Ser Ser Pro Leu Leu Gln Phe Gly Gly  30  30	267
caa gtc cgg cag cgg tac ctc tac aca gat gat gcc cag cag aca gaa Gln Val Arg Gln Arg Tyr Leu Tyr Thr Asp Asp Ala Gln Gln Thr Glu 55	315
gcc cac ctg gag atc agg gag gat ggg acg gtg ggg ggc gct gct gac Ala His Leu Glu Ile Arg Glu Asp Gly Thr Val Gly Gly Ala Ala Asp 60 65	363
cag agc ccc gaa agt ctc ctg cag ctg aaa gcc ttg aag ccg gga gtt Gln Ser Pro Glu Ser Leu Leu Gln Leu Lys Ala Leu Lys Pro Gly Val 80 85	411
att caa atc ttg gga gtc aag aca tcc agg ttc ctg tgc cag cgg cca Ile Gln Ile Leu Gly Val Lys Thr Ser Arg Phe Leu Cys Gln Arg Pro 100 105	459
gat ggg gcc ctg tat gga tcg ctc cac ttt gac cct gag gcc tgc agc Asp Gly Ala Leu Tyr Gly Ser Leu His Phe Asp Pro Glu Ala Cys Ser 110	507
ttc cgg gag ctg ctt ctt gag gac gga tac aat gtt tac cag tcc gaa Phe Arg Glu Leu Leu Glu Asp Gly Tyr Asn Val Tyr Gln Ser Glu 135	555 1
gcc cac ggc ctc ccg ctg cac ctg cca ggg aac aag tcc cca cac cgg Ala His Gly Leu Pro Leu His Leu Pro Gly Asn Lys Ser Pro His Arg 140 145	
gac cct gca ccc cga gga cca gct cgc ttc ctg cca cta cca ggc ct Asp Pro Ala Pro Arg Gly Pro Ala Arg Phe Leu Pro Leu Pro Gly Le 155 160 165	U
ccc ccc gca ccc ccg gag cca ccc gga atc ctg gcc ccc cag ccc ccc Pro Pro Ala Pro Pro Glu Pro Pro Gly Ile Leu Ala Pro Gln Pro Pro Pro Pro Ala Pro Pro 185	c 699

APPROVED O.G. FIG. CLASS SUBCLASS ΒY DRAFTSMAH

Fig. 2B

gat gtg ggc tcc tcg gac cct ctg agc atg gtg gga cct tcc cag ggc 747 Asp Val Gly Ser Ser Asp Pro Leu Ser Met Val Gly Pro Ser Gln Gly 195 190 cga agc ccc agc tac gct tcc tga agccagaggc tgtttactat gacatctcct 801 Arg Ser Pro Ser Tyr Ala Ser 210 205 ctttatttat taggttattt atcttattta tttttttatt tttcttactt gagataataa 861 agagttccag aggaggataa gaatgagcat gtgtgagtgt ctgagggaag acatggcagc 921 tgttttgtct cccttggccc ggacaatccc ctctacacct cccctcacgt ggtccgaggg 981 tectggette ceactgggee teacttttt etttettt etttettt ttttgagaeg 1041 gagteteget etgeaeteea geeeaggeea cagagegaga ttecatetea aaaaaataaa 1101

aaaaaaaaa aaaaaaaaa aaaaaaaaa

1190

APPROVED	O.G. FIG.				
97	CLASS	SUBCLASS			
DRAFTSMAN					

Fig. 3A

	1				50
hAgp-26257	~~~~~~	~~~~~~	~~~~~~	~~~~~~~	~~~~~M
mAgp-26257	~~~~~~~	~~~~~~	~~~~~~~	~~~~~~~	~~~~~M
Hfgf14	~~~~~~~	~~~~~~~	~~MAAAIASG	LIRQKRQARE	${\tt QHWDRPSASR}$
Mfgf14	~~~~~~	~~~~~~~	~~MAAAIASG	LIRQKRQARE	QHWDRPSASR
Hfgf12	~~~~~~~	~~~~~~~	~~MAAAIASS	LIRQKRQARE	SNSDRVSASK
Mfgf13	~~~~~~~	~~~~~~	~~MTAAIASS	LIRQKRQARE	REKSNACK
Hfgf5	~~~~~MS	LSFLLLLFFS	HLILSAWAHG	EKRLAPKGQP	GPAATDRNPI
Mfgf5	~~~~~MS	LSLLFLIFCS	HLIHSAWAHG	EKRLTPEGQP	APPRNPGDSS
Hfgf6	MALGQKLFIT	MSRGAGRLQG	TLWALVFLGI	LVGMVVPSPA	GTRANNTL
Mfgf6	MALGQRLFIT	MSRGAGRVQG	TLQALVFLGV	LVGMVVPSPA	GARANGTL
Hfgf4	~~~~~~~	~MSGPGTAAV	ALLPAVLLAL	LAPWAGRGGA	${\tt AAPTAPNGTL}$
Mfgf4				VVALADRGTA	
Hfgf3	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~
Mfgf3				~~~~~~~~	
Hfgf7				MHKWILTWIL	
Mfgf7				MRKWILTRIL	
Hfgf9	~~~~~~	~~~~~~	~~~~~~	MAPLGEVGNY	FGVQDAVPFG
Mfgf9	~~~~~~~	~~~~~~	~~~~~~~	MAPLGEVGSY	FGVQDAVPFG
Hfgf1	~~~~~~~	~~~~~~	~~~~~~~	~~~~~~~~	~~~~~~~~
Mfgf1				~~~~~~~	
Hfgf2				~~~~~~~	
Mfgf2	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~~
cons	~~~~~~~	~~~~~~~	~~~~~~~	~~~~~~	~~~~~~~
	51				100
hAgp-26257	DSDETGFEHS			IPDSSPLLQF	GGQVRQRYLY
hAgp-26257 mAgp-26257	DSDETGFEHS EWMRSRVGTL	GLWVRLLLAV	FLLGVYQAYP	IPDSSPLLQF	GGQVRQRYLY GGQVRQRYLY
	DSDETGFEHS EWMRSRVGTL	GLWVRLLLAV	FLLGVYQAYP		GGQVRQRYLY GGQVRQRYLY
mAgp-26257	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY
mAgp-26257 Hfgf14	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSKDGR	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLF
mAgp-26257 Hfgf14 Mfgf14	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSKDGR	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLF
mAgp-26257 Hfgf14 Mfgf14 Hfgf12	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLF QLKGIVTKLY PSGRRTGSLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP	FLLGVYQAYP FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLF QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP	FLLGVYQAYP FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL.	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL.	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Hfgf6 Hfgf4 Mfgf4	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP	FLLGVYQAYP FSKVRIFGLK FSKVRIFGSR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Hfgf6 Mfgf6 Hfgf4 Mfgf4	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG ~MGLIWLLLL	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA	FLLGVYQAYP FSKVRIFGLK FSKVRIFGSK FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLF QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Hfgf6 Hfgf4 Mfgf4	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSK.GK GVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL -MGLIWLLLL	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPSWPTT	FLLGVYQAYP FSKVRIFGLK FSKVRIFGSK FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQP PQA GPGARLRRDA GPGTRLRRDA	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL IICLVGTISL	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM	FLLGVYQAYP FSKVRIFGLK FSKVRIFGSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRDA ATNVNCSSPE	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL IICLVGTISL LVCLVGTISL	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRDA GPGTRLRDA ATNVNCSSPE ATSVNCSSPE	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRRPEP KRR.RRRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY GGDIRVRRLF
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL IICLVGTISL LVCLVGTISL NVPVLPVDSP	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT VLLSDHLGQS	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA GPGTRLRRDA ATNVNCSSPE ATSVNCSSPE EAGGLPRGPA	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME .VTDLDHLK.	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY GGDIRVRRLF GGDIRVRRLF
mAgp-26257	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL -MGLIWLLLL IICLVGTISL LVCLVGTISL NVPVLPVDSP	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT VLLSDHLGQS VLLNDHLGQS	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA GPGTRLRRDA ATNVNCSSPE ATSVNCSSPE EAGGLPRGPA	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME .VTDLDHLK.	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY GGDIRVRRLF GGDIRVRRLF .GILRRRQLY
mAgp-26257	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL -MGLIWLLLL IICLVGTISL LVCLVGTISL NVPVLPVDSP NVPVLPVDSP	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT VLLSDHLGQS VLLNDHLGQS VLLNDHLGQS	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA GPGTRLRRDA ATNVNCSSPE ATSVNCSSPE EAGGLPRGPA EAGGLPRGPA EITTFTALTE	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME .VTDLDHLKVTDLDHLK.	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY GGDIRVRRLF GGDIRVRRLF .GILRRRQLY .GILRRRQLY
mAgp-26257	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL -MGLIWLLLL IICLVGTISL LVCLVGTISL NVPVLPVDSP NVPVLPVDSP	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT VLLSDHLGQS VLLNDHLGQS VLLNDHLGQS ~~~~MAEG	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA GPGTRLRRDA ATNVNCSSPE ATSVNCSSPE EAGGLPRGPA EAGGLPRGPA EITTFTALTE EITTFAALTE	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME .VTDLDHLKVTDLDHLKVTDLDHLKKFNLPP	GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY GGDIRVRRLF GGDIRVRRLF GGLIRRRQLY GILRRRQLY GNYKKPKLLY
mAgp-26257	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL -MGLIWLLLL IICLVGTISL LVCLVGTISL LVCLVGTISL NVPVLPVDSP NVPVLPVDSP	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVALSLARLP SLLEPGWPAA SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT VLLSDHLGQS VLLNDHLGQS VLLNDHLGQS ~~~~~MAEG ~~~~~MAG	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEIAGV .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA GPGTRLRRDA ATNVNCSSPE ATSVNCSSPE EAGGLPRGPA EAGGLPRGPA EITTFTALTE EITTFAALTE SITTLPALPE	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME .VTDLDHLKVTDLDHLKVTDLDHLKVTDLDHLKCKFNLPPRFNLPL .DGGSGAFPP	GGQVRQRYLY GGQVRQRYLY GLKGIVTRLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRKLY GGAPRRKLY GGDIRVRRLF GGLIRRRQLY .GILRRRQLY GNYKKPKLLY GHFKDPKRLY
mAgp-26257	DSDETGFEHS EWMRSRVGTL RRSSPSKN.R RRSSPSKDGR CVSSPSK.GK GSSSRQSSSS GSRGRSSA LDSRGWGT LDSRGWGT EAELERRWES HAELGHGWDG -MGLIWLLLL -MGLIWLLLL IICLVGTISL LVCLVGTISL LVCLVGTISL NVPVLPVDSP NVPVLPVDSP	GLWVRLLLAV GLCNGNLVDI GLFNGNLVDI SLCERHVLGV TSCDKNKLNV AMSSSSASSS TFSSSSASSP LLSRSRAGL. LLSRSRAGL. LVALSLARLP LVARSLARLP SLLEPGWPAA SLLEPGWPAA SLLEPSWPTT ACNDMTPEQM ACNDMSPEQT VLLSDHLGQS VLLNDHLGQS VLLNDHLGQS ~~~~MAEG ~~~~MAG	FLLGVYQAYP FSKVRIFGLK FSKVRIFGLK FSKVRFCSGR FSRVKLFGSK PAASLGSQGS VAASPGSQGS .AGEISGV VAAQPKEA VAAQPPQA GPGARLRRDA GPGTRLRRDA ATNVNCSSPE ATSVNCSSPE EAGGLPRGPA EAGGLPRGPA EITTFTALTE EITTFAALTE SITTLPALPE GITSLPALPE	IPDSSPLLQF KRRLRRQ.DP KRRLRRQ.DP KRPVRRPEP KRR.RRPEP GLEQSSFQWS GSEHSSFQWS NWESGYL NWESGYL AVQSGAGDYL AVRSGAGDYL GGRGGVYEHL GGRGGVYEHL RHTRSYDYME RHTRSYDYME .VTDLDHLKVTDLDHLKVTDLDHLKKFNLPP	GGQVRQRYLY GGQVRQRYLY GGQVRQRYLY QLKGIVTRLY QLKGIVTRLY QLKGIVTKLY PSGRRTGSLY PSGRRTGSLY VGIKRQRRLY VGIKRQRRLY LGIKRLRRLY LGLKRLRRLY GGAPRRRKLY GGAPRRRKLY GGDIRVRRLF GGLIRRRQLY .GILRRRQLY GNYKKPKLLY GHFKDPKRLY

APPKOVES	0.G. i	FIG.
BY	CLASS	SUBCLASS
DRAFTSMAH		

Fig. 3B

	101				150
hAgp-26257		LEIREDGTVG			
mAgp-26257		LEIREDGTVV			
Hfgf14		LQMHPDGALD			
Mfgf14		LQMHPDGALD			
Hfgf12		LQMHPDGTID			
Mfgf13		LQLQADGTID			
Hfgf5		LQIYPDGKVN			
Mfgf5		LQIYPDGKVN			
Hfgf6		LQVLPDGRIS			
Mfgf6		LQVPPDGRIS			
Hfgf4		LQALPDGRIG			
Mfgf4		LQVLPDGRIG			
Hfgf3		LQLHPSGRVN			
Mfgf3		LQLHPSGRVN			
Hfgf7		LRIDKRGKVK			
Mfgf7		LRIDKRGKVK			
Hfgf9		LEIFPNGTIQ			
Mfgf9		LEIFPNGTIQ			
Hfgf1		LRILPDGTVD			
Mfgf1	CSNG.GHF	LRILPDGTVD	GTRDRSDQHI	QLQLSAESAG	EVYIKGTETG
Hfgf2	CKNG.GFF	LRIHPDGRVD	GVREKSDPHI	KLQLQAEERG	VVSIKGVCAN
Mfgf2	CKNG.GFF	LRIHPDGRVD	GVREKSDPHV	KLQLQAEERG	VVSIKGVCAN
cons	cr.g.gfh	LqihpdG.vd	Gt.e.sspys	llel.avevg	vv.ikgvksg
	151				200
hAgp-26257	RFLCQRPDGA	LYGSLHFDPE			HGLPLHLPGN
mAgp-26257	RFLCQRPDGA RFLCQQPDGA	LYGSPHFDPE	ACSFRELLLE	DGYNVYQSEA	HGLPLHLPGN HGLPLRLPQK
mAgp-26257 Hfgf14	RFLCQRPDGA RFLCQQPDGA		ACSFRELLLE .CKFKESVFE	DGYNVYQSEA NYYVIYSSML	HGLPLHLPGN HGLPLRLPQK YRQQESGRA.
mAgp-26257 Hfgf14 Mfgf14	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY	LYGSPHFDPE	ACSFRELLLE .CKFKESVFE .CKFKESVFE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY	LYGSPHFDPE LYPSELFTPE	ACSFRELLLE .CKFKESVFE .CKFKESVFE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA.
mAgp-26257 Hfgf14 Mfgf14	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY	LYGSPHFDPE LYPSELFTPE LYPSELFTPE	ACSFRELLLE .CKFKESVFE .CKFKESVFE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE	ACSFRELLLE .CKFKESVFE .CKFKESVFE .CKFKESVFE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQQSGRG.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE	ACSFRELLLE .CKFKESVFE .CKFKESVFE .CKFKESVFE .CKFKESVFE .CKFRERFQE .CKFRERFQE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE	ACSFRELLLE .CKFKESVFE .CKFKESVFE .CKFKESVFE .CKFKESVFE .CKFRERFQE .CKFRERFQE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQQSGRG. HRTEKTGRE. HRTEKTGRE. YQG.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Mfgf6	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y RG.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Mfgf6 Hfgf6	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y RG.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Mfgf6	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNSEGY KFLAMSKKGK KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LFGVPFFTDE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRG. HRTEKTGRE. HRTEKTGRE. YQG. YRG. YPG.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Mfgf6 Hfgf6	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSKGK	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LFGVPFFTDE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFKEILLP	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRG. HRTEKTGRE. HRTEKTGRE. YQG. YRG. YPG.
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Hfgf6 Mfgf6 Hfgf4	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LFGVPFFTDE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CKFKEILLP	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYEAYA	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRG. HRTEKTGRE. HRTEKTGRE. YQG. YRG. YPG. YPG. YRTVSSTPGA
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Hfgf6 Mfgf6 Hfgf4 Mfgf4	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR RYLAMNKRGR	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYEAYA LGYNTYASRL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQOSGRG. HRTEKTGRE. HRTEKTGRE. YQG. YRG. YPG. YPG. YRTVSSTPGA YRTGSSGPGA
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Hfgf6 Mfgf6 Hfgf4 Hfgf4 Hfgf3 Mfgf3	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR RYLAMNKRGR FYLAMNKEGK	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELILE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. YQG. YRG. YPG. YPG. YRTVSSTPGA YRTGSSGPGA WTHNG
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Mfgf6 Hfgf6 Mfgf6 Hfgf4 Hfgf4 Hfgf3 Hfgf3 Hfgf7	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR RYLAMNKRGR RYLAMNKEGK	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CTFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELILE . CNFKELILE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL NHYNTYASAK	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y RG. Y PG. Y PG. YRTVSSTPGA YRTGSSGPGA WTH NG
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Hfgf4 Hfgf3 Mfgf3 Hfgf7 Mfgf7	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR RYLAMNKRGR RYLAMNKEGK YYLAMNKEGK LYLGMNEKGE LYLGMNEKGE	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED LYAKKECNED LYGSEKLTQE LYGSEKLTQE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELILE . CNFKELILE . CVFREQFEE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSTL NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL NHYNTYASAK NHYNTYASAK	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y RG. Y PG. Y PG. YRTVSSTPGA YRTGSSGPGA WTH NG YKHVDTG
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Hfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR RYLAMNKRGR RYLAMNKEGK YYLAMNKEGK LYLGMNEKGE LYLGMNEKGE	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED LYAKKECNED LYGSEKLTQE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELILE . CNFKELILE . CVFREQFEE . CVFREQFEE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSMI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL NHYNTYASAK NHYNTYASAK NWYNTYSSNL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. YQG. YPG. YPG. YRTVSSTPGA YRTUSSTPGA YRTGSSGPGA WTHNG YKHVDTG
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Hfgf4 Hfgf3 Hfgf3 Hfgf7 Hfgf7 Hfgf9 Mfgf9	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNSEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK RYLAMNKRGR RYLAMNKRGR RYLAMNKEGK YYLAMNKEGK LYLGMNEKGE LYLGMNEKGE QYLAMDTDGL	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFQEE LYTTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED LYAKKECNED LYGSEKLTQE LYGSEKLTQE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELLLE . CNFKELLLE . CVFREQFEE . CVFREQFEE . CLFLERLEE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSMI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL NHYNTYASAK NHYNTYASAK NHYNTYASAK NWYNTYSSNL	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y PG. Y PG. YRTVSSTPGA YRTUSSTPGA YRTGSSGPGA WTH NG YKHVDTG YKHVDTG
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Hfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7 Hfgf9 Hfgf9	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNSEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK FFVAMSRGK RYLAMNKRGR RYLAMNKRGR RYLAMNKEGK YYLAMNKEGK LYLGMNEKGE LYLGMNEKGE QYLAMDTEGL	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED LYAKKECNED LYAKKECNED LYGSEKLTQE LYGSEKLTQE LYGSQTPNEE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELLLE . CVFREQFEE . CVFREQFEE . CLFLERLEE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSMI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL LGYNTYASRL NHYNTYASAK NHYNTYASAK NWYNTYSSNL NHYNTYISKK	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y PG. Y PG. YRTVSSTPGA YRTUSSTPGA WTH NG YKHVDTG YKHVDTG H AE
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7 Hfgf9 Hfgf9 Hfgf1 Mfgf1	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK FFVAMSSRGK RYLAMNKRGR RYLAMNKRGR RYLAMNKEGK LYLGMNEKGE LYLGMNEKGE LYLGMNEKGE QYLAMDTDGL QYLAMDTEGL RYLAMKEDGR	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFHDE LYTPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED LYAKKECNED LYAKKECNED LYGSEKLTQE LYGSQTPNEE LYGSQTPNEE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELLLE . CNFKELLLE . CVFREQFEE . CVFREQFEE . CLFLERLEE . CLFLERLEE	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSMI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL NHYNTYASAK NHYNTYASAK NHYNTYASAK NHYNTYSSNL NHYNTYISKK NHYNTYISKK NHYNTYTSKK	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y PG. Y PG. YRTVSSTPGA YRTUSSTPGA WTH NG YKHVDTG YKHVDTG H AE Y T
mAgp-26257 Hfgf14 Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7 Hfgf9 Hfgf1 Hfgf9 Hfgf1 Hfgf1	RFLCQRPDGA RFLCQQPDGA LYIAMNGEGY LYIAMNGEGY LYVAMNGEGY LYLAMNSEGY KFLAMSKKGK KFLAMSKKGK LFVAMNSKGR LFIAMNSKGR FFVAMSSKGK FFVAMSSKGK FFVAMSSRGK RYLAMNKRGR RYLAMNKEGK LYLGMNEKGE LYLGMNEKGE LYLGMNEKGE QYLAMDTDGL QYLAMDTEGL RYLAMKEDGR	LYGSPHFDPE LYPSELFTPE LYPSELFTPE LYSSDVFTPE LYTSEHFTPE LHASAKFTDD LHASAKFTDD LYATPSFHDE LYGSPFFTDE LYGSPFFTDE LYASEHYSAE LYASDHYNAE LYAKKECNED LYAKKECNED LYAKKECNED LYGSEKLTQE LYGSEKLTQE LYGSQTPNEE LYGSQTPNEE LLASKCVTDE	ACSFRELLLE . CKFKESVFE . CKFKESVFE . CKFKESVFE . CKFRERFQE . CKFRERFQE . CKFRETLLP . CKFRETLLP . CKFKEILLP . CKFKEILLP . CEFVERIHE . CEFVERIHE . CNFKELLLE . CNFKELLLE . CVFREQFEE . CVFREQFEE . CLFLERLEE . CLFLERLEE . CFFFERLES . CFFFERLES	DGYNVYQSEA NYYVIYSSML NYYVIYSSML NYYVIYSSMI NYYVTYSSMI NSYNTYASAI NSYNTYASAI NNYNAYESDL NNYNAYESDL NNYNAYESYK NNYNAYESYK NNYNAYEAYA LGYNTYASRL LGYNTYASRL LGYNTYASRL NHYNTYASAK NHYNTYASAK NHYNTYSSNL NHYNTYISKK NHYNTYISKK NHYNTYTSKK NNYNTYRSRK	HGLPLHLPGN HGLPLRLPQK YRQQESGRA. YRQQESGRA. YRQQESGRA. YRQQSGRG. HRTEKTGRE. HRTEKTGRE. Y QG. Y PG. Y PG. YRTVSSTPGA YRTUSSTPGA YRTUSSGPGA WTH NG YKHVDTG YKHVDTG H AE Y

APPROVIDE	ម.ต. F	IG.
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DRAFTSHAH		

Fig. 3C

						252
		201				250
	hAgp-26257			LPGLPPAPPE		
	mAgp-26257			MPGLLHEPQD		
	Hfgf14			MKGNRVKK		
	Mfgf14			MKGNRVKK		
	Hfgf12			MKGNRVKK		
	Mfgf13			MKGNHVKK		
	Hfgf5			KRGCSPRVKP		
	Mfgf5			KRGCSPRVKP		
	Hfgf6			KRGSKVSP		
	Mfgf6			KRGSKVSP		
	Hfgf4			KKGNRVSP		
	Mfgf4			KKGNRVSP		
	Hfgf3			RRGFKTRR		
	Mfgf3			RRGFKTRR		
	Hfgf7			VRGKKTKK		
	Mfgf7			VKGKKTKK		
	Hfgf9	RRY	YVALNKDGTP	REGTRTKR	${\tt HQKFTHFLPR}$	PADDDKADET
7 mg	Mfgf9	RRY	YVALNKDGTP	REGTRTKR	HQKFTHFLPR	PVDPDKVPEL
	Hfqf1	KNW	FVGLKKNGSC	KRGPRTHY	GQKAILFLPL	PVSSD~~~~
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E	hAgp-26257	VGPSOGRSPS	YAS~~~~~	~~~~~~~	~~~~~~~	~~~~~~~
7 10 10 10 10 10 10 10 10 10 10 10 10 10	mAgp-26257	VEPLQGRSPS	VAS~~~~~		~~~~~~~	
				~~~~~~~		~~~~~~~
4	Hfaf14	SUHDVGETVP				
\$112°	Hfgf14 Mfaf14		KPGVTPSKST	SASAIMNGGK	PVNKSKTT~~	~~~~~~~
	Mfgf14	SLHDVGETVP	KPGVTPSKST KAGVTPSKST	SASAIMNGGK SASAIMNGGK	PVNKSKTT~~ PVNKCKTT~~	~~~~~~~
T	Mfgf14 Hfgf12	SLHDVGETVP SLHEIGEKQG	KPGVTPSKST KAGVTPSKST RSRKS	SASAIMNGGK SASAIMNGGK SGTPTMNGGK	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~	~~~~~~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~	~~~~~~~
T	Mfgf14 Hfgf12 Mfgf13 Hfgf5	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG	~~~~~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG	~~~~~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG	~~~~~~~ ~~~~~~~~ ~~~~~~~~ ~~~~~~~~~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG	~~~~~~~ ~~~~~~~~ ~~~~~~~~ ~~~~~~~~~ ~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG	~~~~~~~ ~~~~~~~~ ~~~~~~~~~ ~~~~~~~~~ ~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG	~~~~~~~ ~~~~~~~~~ ~~~~~~~~~~ ~~~~~~~~~
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK  RQLQSGLPRP	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP RQ.KQSPDNL	PVNKSKTT PVNKCKTT VVNQDST SMSHNEST VKYRLKFRFG VKYRLKFRFG EPSHVQASRL	GSQLEASAH
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK 	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP RQ.KQSPDNL RQKKQSPGDH	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Hfgf3 Hfgf3 Hfgf7	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK 	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP 	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Hfgf3 Hfgf7 Mfgf7	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK 	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP 	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK  RVLQSGLPRP RLLQSSQPRA RLLQSSQPRA	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7 Hfgf9	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK  RQLQSGLPRP RLLQSSQPRA YKDILSQS YKDILSQS	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SASAIMNGGK SUSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT~~ PVNKCKTT~~ VVNQDST~~~ SMSHNEST~~ VKYRLKFRFG VKYRLKFRFG ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7 Hfgf9 Hfgf9	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK  ROLOSGLPRP RLLQSSQPRA KDILSQS~~ YKDILSQS~~	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRR PGEGSQPRQR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT PVNKCKTT VVNQDST SMSHNEST VKYRLKFRFG VKYRLKFRFG EPSHVQASRL GKMETLSTRA	GSQLEASAH- TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf7 Hfgf9 Hfgf1 Mfgf1	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT PVNKCKTT VVNQDST SMSHNEST VKYRLKFRFG VKYRLKFRFG EPSHVQASRL GKMETLSTRA	GSQLEASAH- TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf9 Hfgf1 Hfgf9 Hfgf1 Hfgf1	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKN FTVTVPEKKK	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT PVNKCKTT VVNQDST SMSHNEST VKYRLKFRFG VKYRLKFRFG EPSHVQASRL GKMETLSTRA	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf9 Hfgf7 Hfgf9 Hfgf1 Hfgf2 Mfgf1	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKK FTVTVPEKKK  RQLQSGLPRP RLLQSSQPRA YKDILSQS YKDILSQS	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT PVNKCKTT VVNQDST SMSHNEST VKYRLKFRFG VKYRLKFRFG EPSHVQASRL GKMETLSTRA	GSQLEASAH~ TPSTQLHTGG
The state of the s	Mfgf14 Hfgf12 Mfgf13 Hfgf5 Mfgf5 Hfgf6 Mfgf6 Hfgf4 Mfgf4 Hfgf3 Mfgf3 Hfgf7 Hfgf9 Hfgf1 Hfgf9 Hfgf1 Hfgf1	SLHDVGETVP SLHEIGEKQG SLHDLTEFSR FTVTVPEKKK FTVTVPEKKK  RQLQSGLPRP RLLQSSQPRA YKDILSQS YKDILSQS	KPGVTPSKST KAGVTPSKST RSRKS SGSGTPTKSR PPSPIKSKIP PPVKPKVP PGKGVQPRRR PGEGSQPRQR	SASAIMNGGK SASAIMNGGK SGTPTMNGGK SVSGVLNGGK LSAPRKNTNS LSQPRRSPSP	PVNKSKTT PVNKCKTT VVNQDST SMSHNEST VKYRLKFRFG VKYRLKFRFG EPSHVQASRL GKMETLSTRA	GSQLEASAH~ TPSTQLHTGG

Fig. 3D

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hAgp-26257	~~~~
mAgp-26257	~~~~
Hfgf14	~~~~
Mfgf14	~~~
Hfgf12	~~~
Mfgf13	~~~~
Hfgf5	~~~~
Mfgf5	~~~~
Hfgf6	~~~~
Mfgf6	~~~~
Hfgf4	~~~~
Mfgf4	~~~~
Hfgf3	~~~~
Mfgf3	LAVA
Hfgf7	~~~~
Mfgf7	~~~~
Hfgf9	~~~~
Mfgf9	~~~~
Hfgf1	~~~~
Mfgf1	~~~~
Hfgf2	~~~~
Mfgf2	~~~~
cons	~~~~

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Fig. 4A

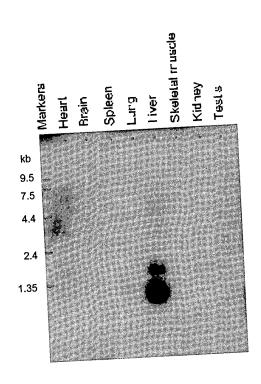
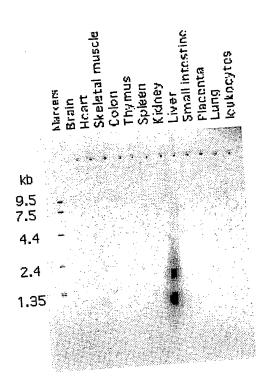


Fig. 4B



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Fig. 4C

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Н	Lance Control	: - :						

amygdala putamen	caudate nucleus substantia nigra	cerebellum temporal	cerebral cortex	frontal lobe	hippo- campus	medulla oblonggata
putamen					l l	
		lobe	thalamus	nucleus accumbeus	spinal cord	
aorta	skeletal muscle	colon	bladder	uterus	prostate	stomach
ovary	pancreas	pituitary gland	adrenal gland	thyroid gland	salivary gland	mammary gland
liver	small intestine	spleen	thymus	peripheral leukocyte	lymph node	bone marrow
lung	trachea	placenta				
fetal heart	fetal kidney	fetal liver	fetal spleen	fetal thymus	fetal lung	
	E. coli	E. coli DNA	Poly-(A)	human Cot1DNA		human DNA
	liver lung fetal	liver small intestine lung trachea fetal fetal kidney	ovary pancreas gland  liver small intestine spleen  lung trachea placenta  fetal fetal fetal liver  yeast E. coli E. coli	ovary pancreas gland gland  liver small intestine spleen thymus  lung trachea placenta  fetal fetal fetal fetal spleen  liver spleen  yeast E. coli E. coli Poly-(A)	ovary pancreas gland gland gland gland  liver small intestine spleen thymus peripheral leukocyte  lung trachea placenta  fetal fetal fetal fetal spleen thymus  fetal kidney liver spleen thymus  F coli E, coli Rely (A)	ovary pancreas pituitary gland gland gland gland gland  liver small intestine spleen thymus peripheral leukocyte node  lung trachea placenta  fetal fetal fetal fetal spleen thymus lung  fetal kidney liver spleen thymus lung  E. coli Palv(A) human human

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